

ABSTRACT

The present invention provides a network communication device and method for simultaneous connection establishment and traffic delivery in a network. The network communication device comprises a first interface for exchanging information with a network device, a second interface connected to the first interface for establishing a connection with the network device, and middleware logic for coordinating information exchange between the first interface and the second interface. The second interface comprises a clock and a clock value that may be dynamically altered. The network communication device may be a Bluetooth device or a Bluetooth Access Point and is capable of functioning in a scan state and a connect state simultaneously.